Engineering 763-572-3552 763-571-1287 fax

# WATER AND SEWER PERMIT APPLICATION CITY OF FRIDLEY

EFFECTIVE 07/1/2015

Permit	No.:
Receiv	ed By:
Date R	ec'd:

APPLICATION DATE:	YOUR E-MAIL/FAX:					
THIS APPLICANT IS:	□ OWNER	$\square$ CONTRACTOR				
JOB ADDRESS:						
NEW CONSTRUCTION PER	RMIT# (IF APPI	LICABLE):		<u></u>	<u></u>	<u></u>
PROPERTY	NAME:					
OWNER/ TENANT	ADDRESS:		CITY		STATE	ZIP
I LIVANI	PHONE:					
CONTRACTOR	NAME:					
SUBMIT A COPY OF YOUR STATE	ADDRESS:		CITY_		STATE	
LICENSE WITH	PHONE		CELL PHONE:			-
APPLICATION	STATE LIC #		STATE BOND:		EXP DATE:	
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		☐ ADD STATI	E SURCHARGE \$1.00 fo	or each permit		
		⊔ SAC	C CHARGE@ \$2,			
	OTH	ED CHADCES (IE	APPLICABLE) PAY TO	TOTAL \$	LINC	
NOTE: WATER METE		NEW WATER ME SPECIAL A WATER	ETER COST – SEE UTILI SSESSMENTS – SEE FIN . TAP – SEE ENGINEERI / (EVENINGS, WEEKEND	TY BILLING NANCE NG	\$125/HOUF	R-BILLED
			FOR A PERMIT-NOT VALID	,		
conformance with the o	rdinances and	d codes of the City of l	lge that the information ab Fridley. I understand this i lication, unless emergency	s not a permit bu	ıt only an applica	
SIGNATURE OF APPLICAN	NT		PRINT NAME:		DATE:	
APPROVED BY:					DATE:	
			ly if new meter) □ PIJF			

# City of Fridley Engineering Department

6431 University Avenue NE, Fridley, MN 55432 763-572-3552 FAX: 763-571-1287

### **Construction Requirements for Water and Sewer Work**

#### General

The Contractor shall notify the City for inspection of pipe installation prior to backfill. Pipe inspections include but are not limited to connections to existing service pipe, connections to City owned pipe or manholes, tees, valves, curb stops, corporations, wet taps, bends, mechanical restraints, and hydrants.

Protect City infrastructure facilities (curb, manhole, pavement, striping, etc) from damage and loss of foundational support. Loss of foundational support is identified as excavation within the 1:1 slope from the bottom of the structure. Surface damage or loss of foundational support shall result in **replacement of facility or degradation fee** as determined by the City (Fridley Code 407.11).

Backfill material shall be compacted in 1 foot lifts (gross) using a mechanical compactor. **Upper 4' of utility trench sides shall be excavated and compacted at 1:1 slope unless engineered shoring is installed prior to excavation and approved by the City.** Trench sides deeper than 4' exhibiting loss of lateral density (i.e. cave in, sloughing, undermining, cracking, etc) shall be excavated and recompacted as approved by the City. The City may consider a 5 year bond in lieu of the additional excavation and compaction required to achieve uniform density.

Contractor shall comply with current OSHA excavation provisions and CEAM Standard Utility Specifications (1999 Ed.).

Horizontal directional drilling shall require the televising of other pipe in the vicinity to verify no damage has occurred.

Excavations within ROW require density of backfill materials to be 100% in the upper 3' and 95% below the upper 3'. Density shall be verified by one of the following methods as allowed by the City:

- City approved soil testing company (2 test minimum) or;
- Granular soils may be flooded with 2' of water twice (5' and 2' from grade) or;
- Visual observation during backfill by City (hourly cost of \$75 to observe during 8am 5 pm, M-F).

Reconstruct pavement patch area:

- Sawcut pavement as marked by City contractor to coordinate marking with City
- Residential street 6" Cl. 5 aggregate and 3" LV4 bituminous asphalt (2 lifts)
- Non-residential street 8" Cl. 5 aggregate and 4" MV3 bituminous asphalt (2 lifts)
- Match existing patch sections if greater than the above minimums.

Provide traffic Control per MMUTCD. If 2 way vehicle travel (22' minimum width) is not maintained, contractor shall provide a trained flagger to direct traffic or provide detour as approved by the City. If work impedes a pedestrian travelway (i.e. sidewalk, bike path, etc.) Contractor shall provide a pedestrian detour route in accordance with ADA rules and regulations.

#### <u>Sewer</u>

Non-gasketed pipe connections shall use a flexible coupler (Fernco or equivalent as allowed by City) with stainless steel bands. Flow lines shall be maintained level and continuous by aligning the inside walls of the two pipes. Contractor shall use eccentric coupler for differing pipe diameters.

Cure in-place sewer liner may not extend more ½" into the City sewer main. Contractor shall coordinate live CCTV viewing of liner prior to City acceptance. Pipe bursting or horizontal directional drilling work requires a plan with greater detail than a typical open trench excavation. Contractor shall provide live CCTV viewing to City for the installed pipe prior to City acceptance.

Disconnection of service pipe shall be plugged at property line with mechanical plug and marked with a 4" x 4" post. All pipe shall be removed within the property unless otherwise approved by the City.

#### Water

Flaring existing copper is **not allowed**, Contractor shall silver solder or use compression fittings to make connections to existing copper services.

Contractor shall notify owner of inoperable curb stop requiring repair (Fridley Code 402.06).

Disconnection shall typically be on building side of curb stop. Contractor shall leave a 1' stub and silver solder the end closed. Then, curb stop shall be opened fully for 5 minutes and checked for leaks by the City. Contractor shall correct any leakage of the curb stop or 1' stub and retest. All pipe shall be removed within the property unless otherwise approved by the City.

## **Erosion Control**

Disturbed soils shall be stabilized within 7 days after completion of work. Disturbed vegetated areas shall be backfilled with 4" topsoil with equal or greater quality than surrounding topsoil as determined by the City.

Erosion control measures shall be installed to stabilize and prevent exposed or disturbed soils from eroding off-site or into a waterway. Contractor shall identify erosion control measures to be used on front of permit.